

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002365

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04L 12/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L G06F H04M H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean patents and applications for inventions since 1975

Korean Utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/ 0101294 A1 (Jim W.Edwards.) 29 May 2003 see the whole documents	1 - 20
A	US 6,633,835 B1 (Network Associates Technology, Inc.) 14 OCT 2003 see the whole documents	1 - 20
A	US 6,646,676 B1 (Mitsubishi) 11 NOV 2003 see the whole documents	1 - 20
P, A	US 2004/0133689 A1 (NIXON PEABODY, LLP) 8 JUL 2004 see the whole documents	1 - 20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

25 NOVEMBER 2004 (25.11.2004)

Date of mailing of the international search report

25 NOVEMBER 2004 (25.11.2004)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SHIN, Sung Kil

Telephone No. 82-42-481-5688



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002365

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003/0101294 A1	29 MAY 2003	NONE	
US 6,633,835 B1	14 OCT 2003	US 6801940 B1	5 OCT 2004
US 6,646,676 B1	11 NOV 2003	JP 2002-112253 A2	30 NOV 2001
		EP 1173020 B1	7 APR 2004
		EP 1162844 A3	9 JAN 2002
US 2004/0133689 A1	8 JUL 2004	WO 04058403 A3	23 SEP 2004